

FIG. 1

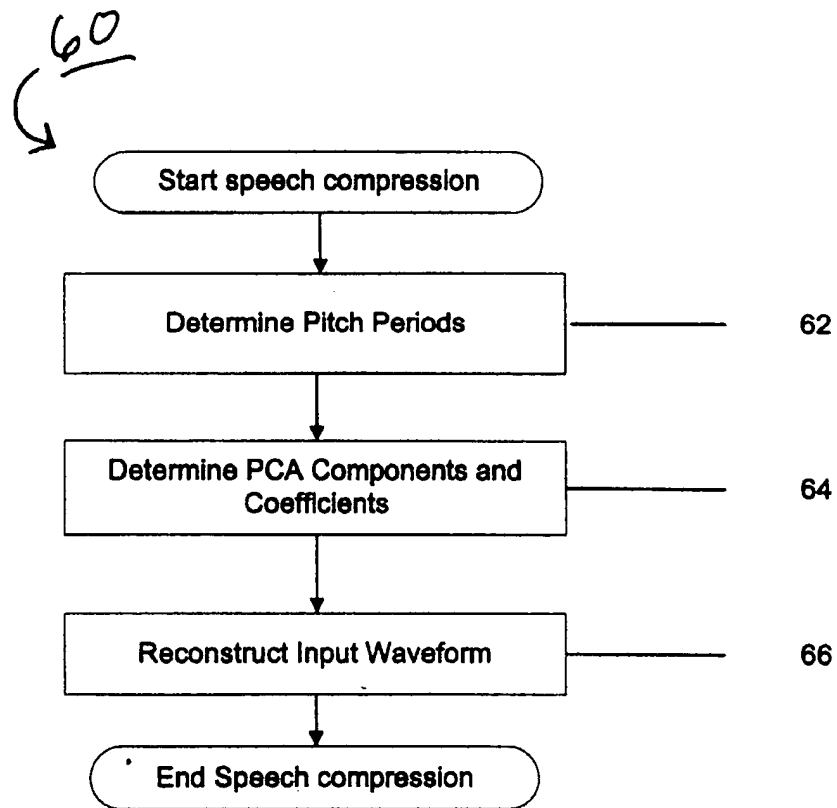
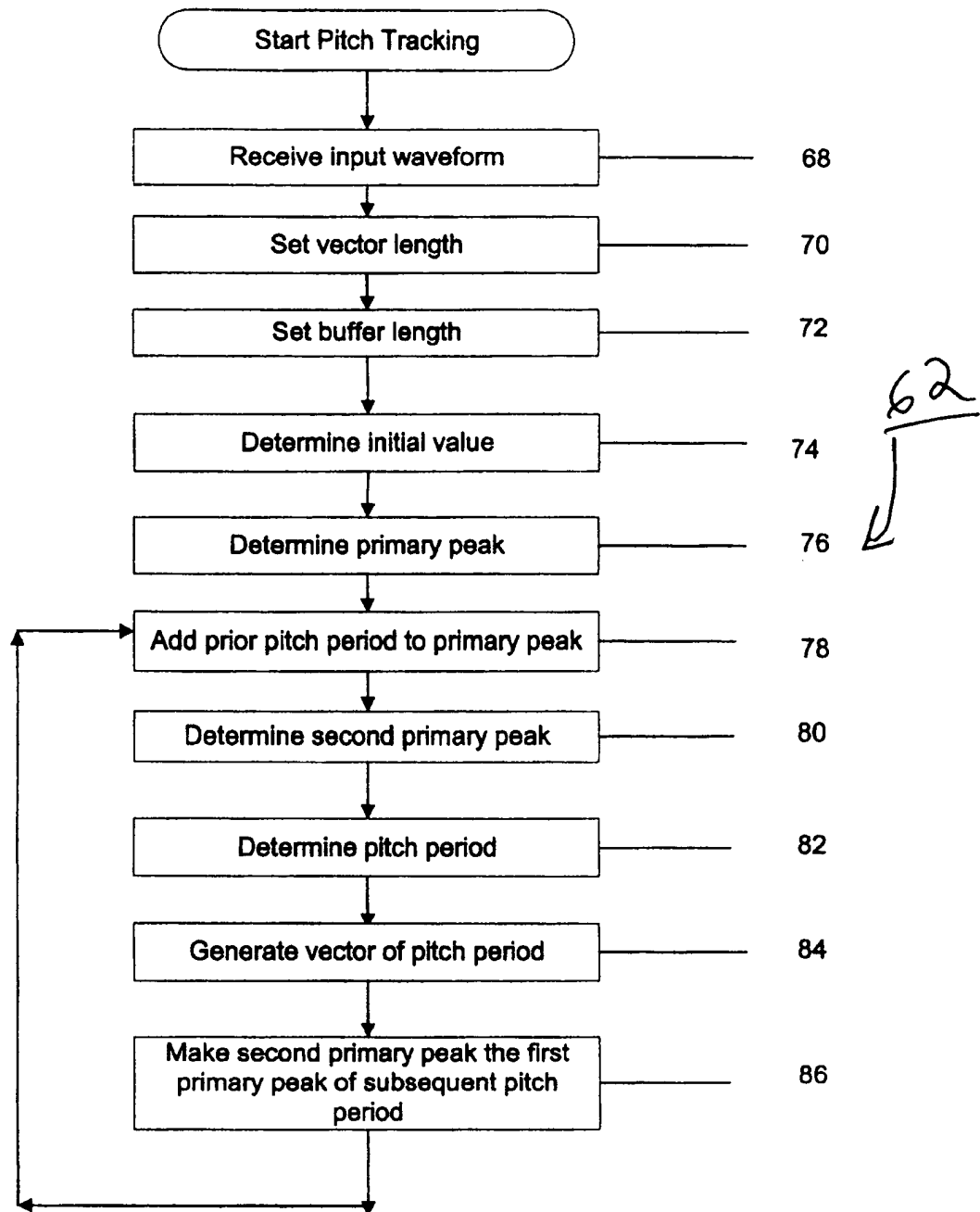


FIG. 2



**FIG. 3**

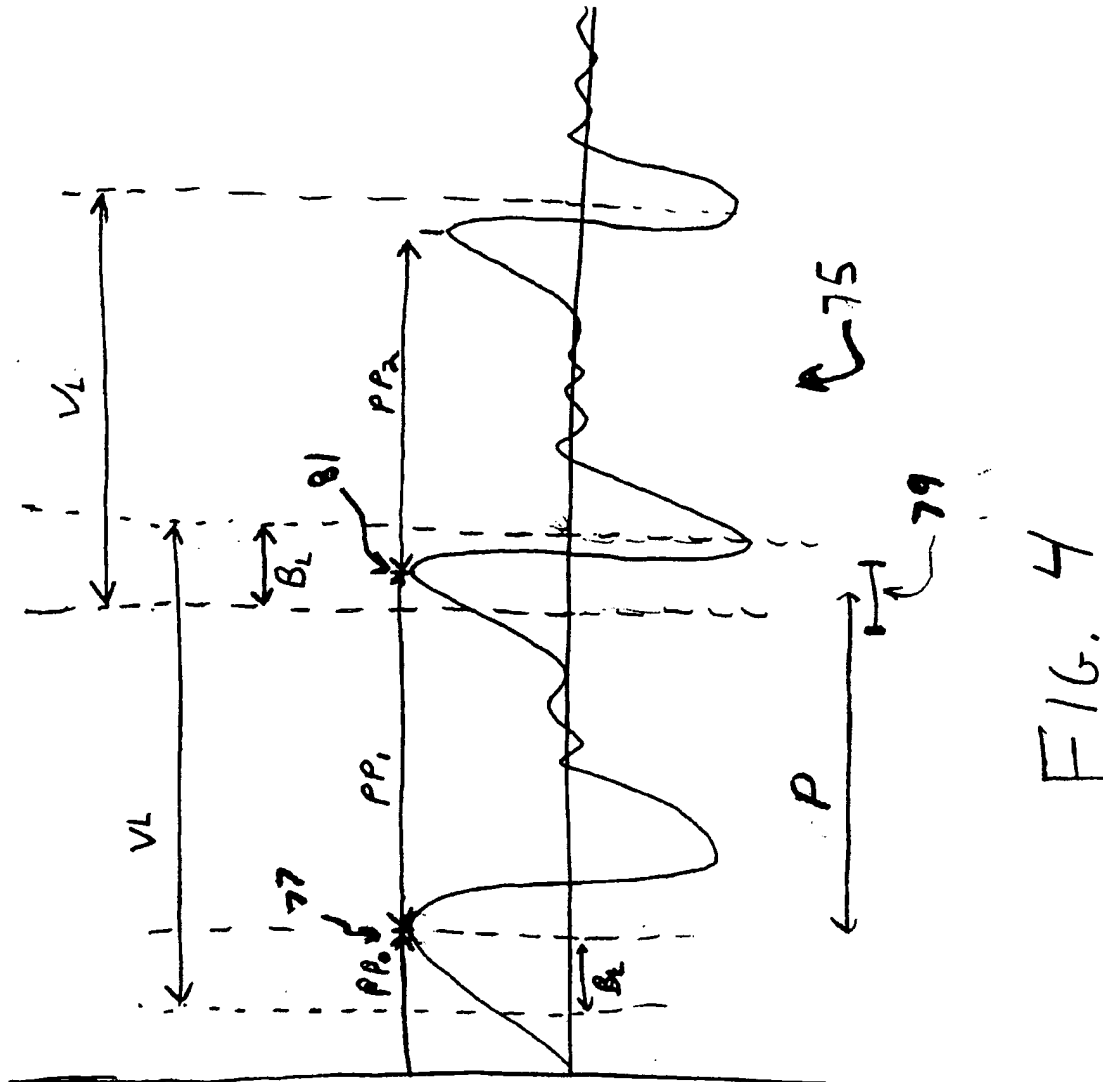
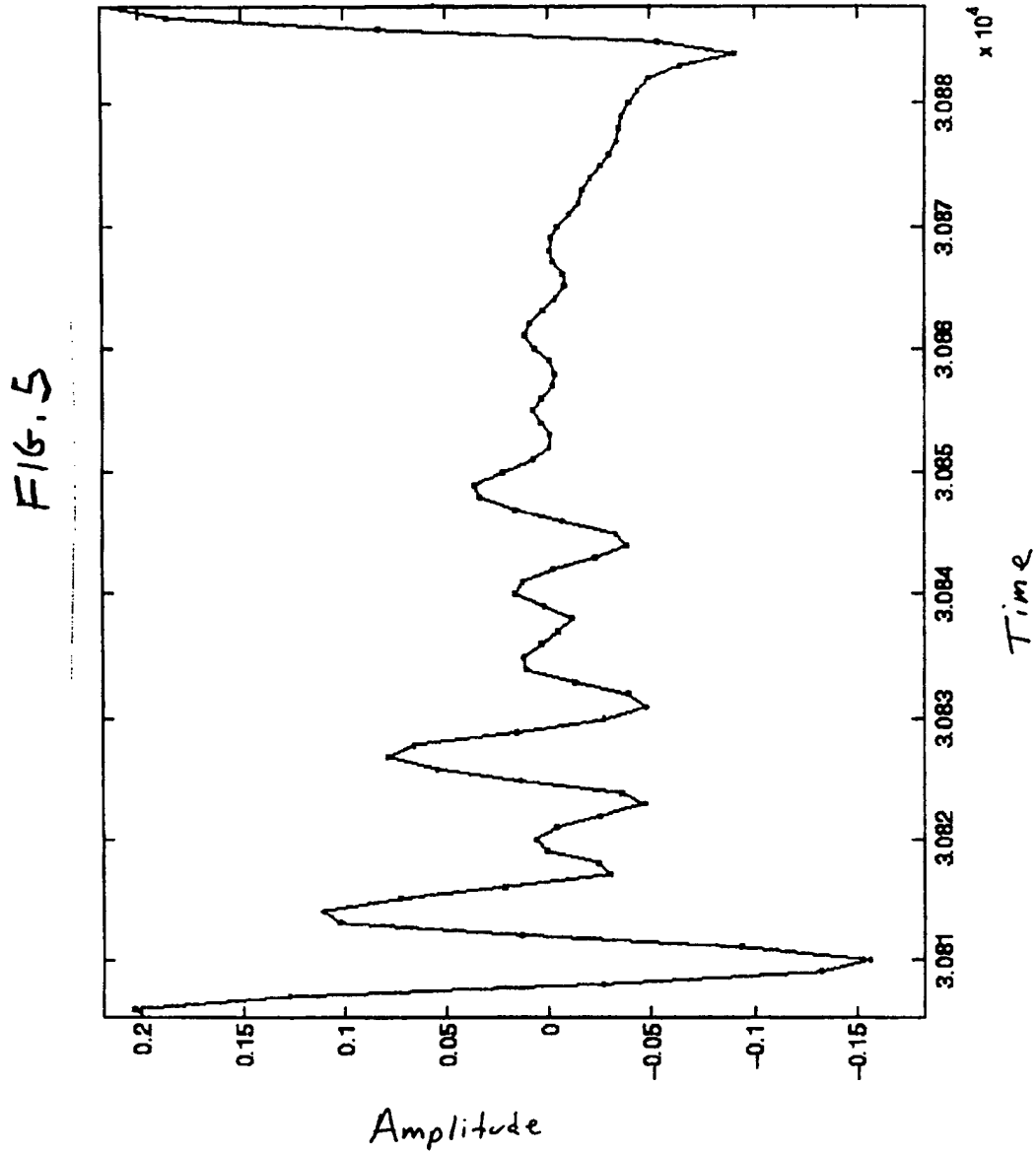


FIG. 4



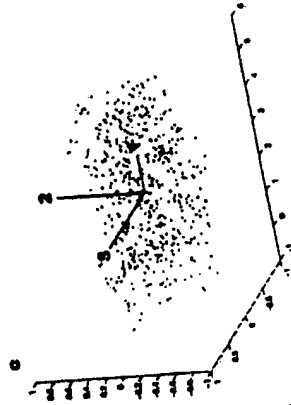


FIG. 6C

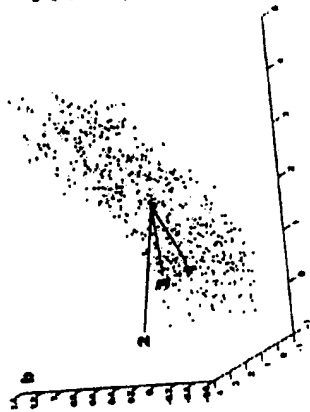


FIG. 6B

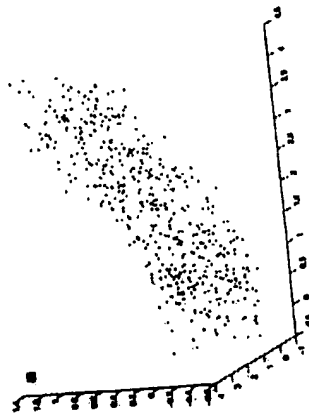
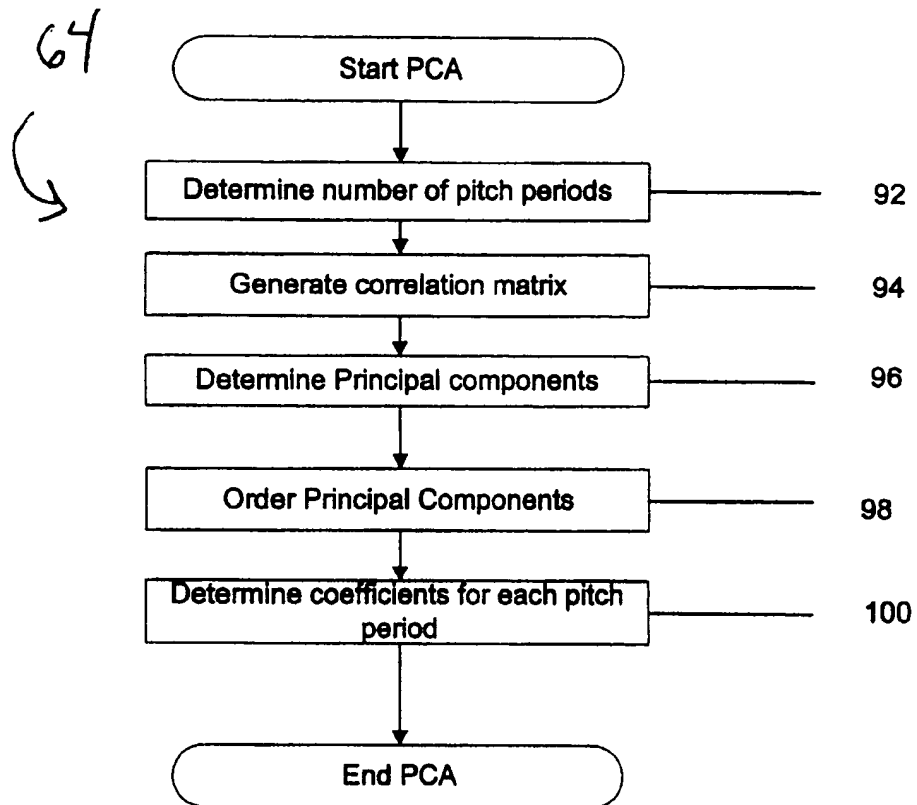
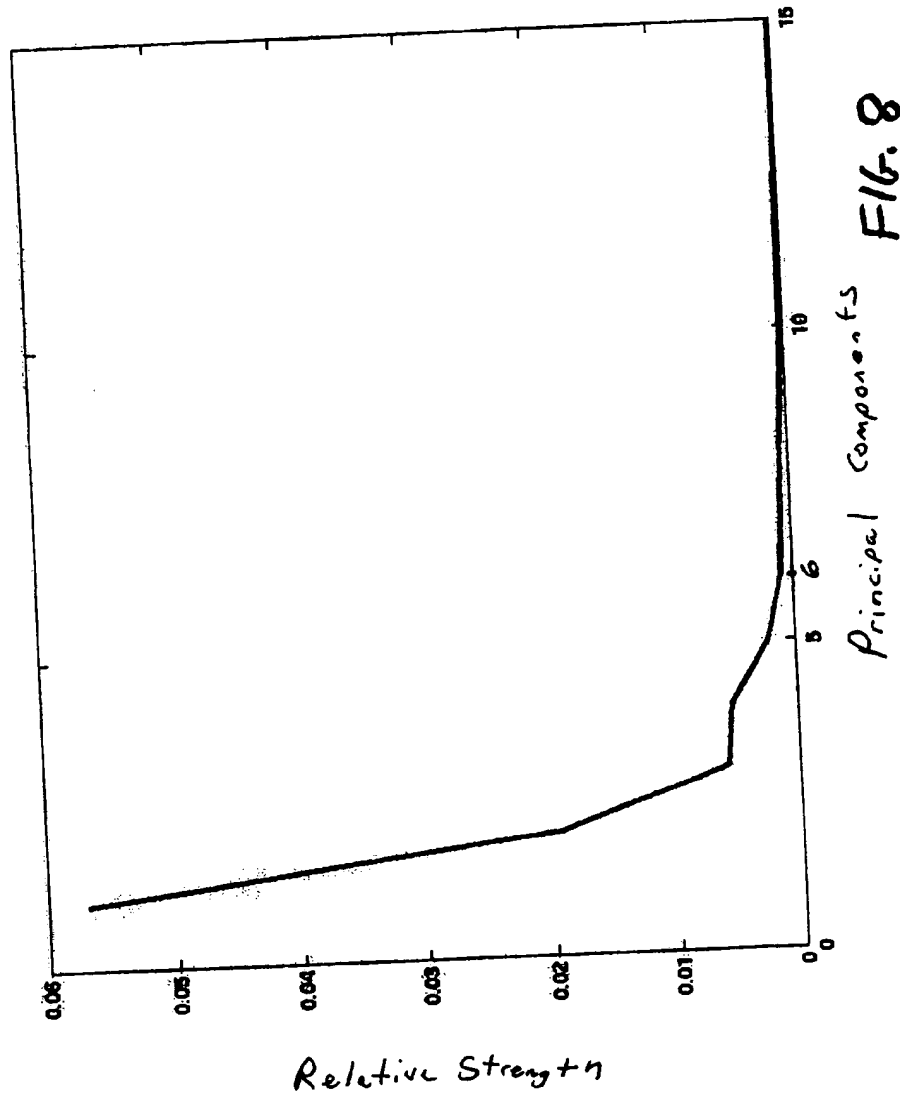


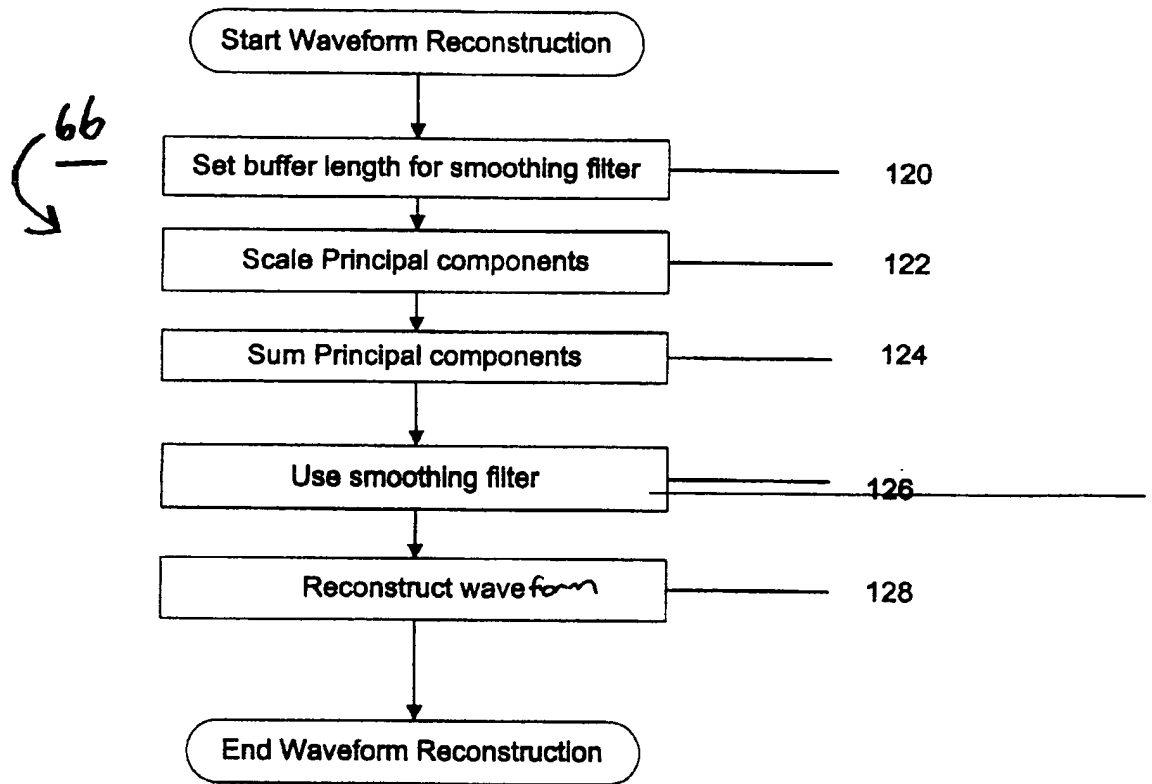
FIG. 6A



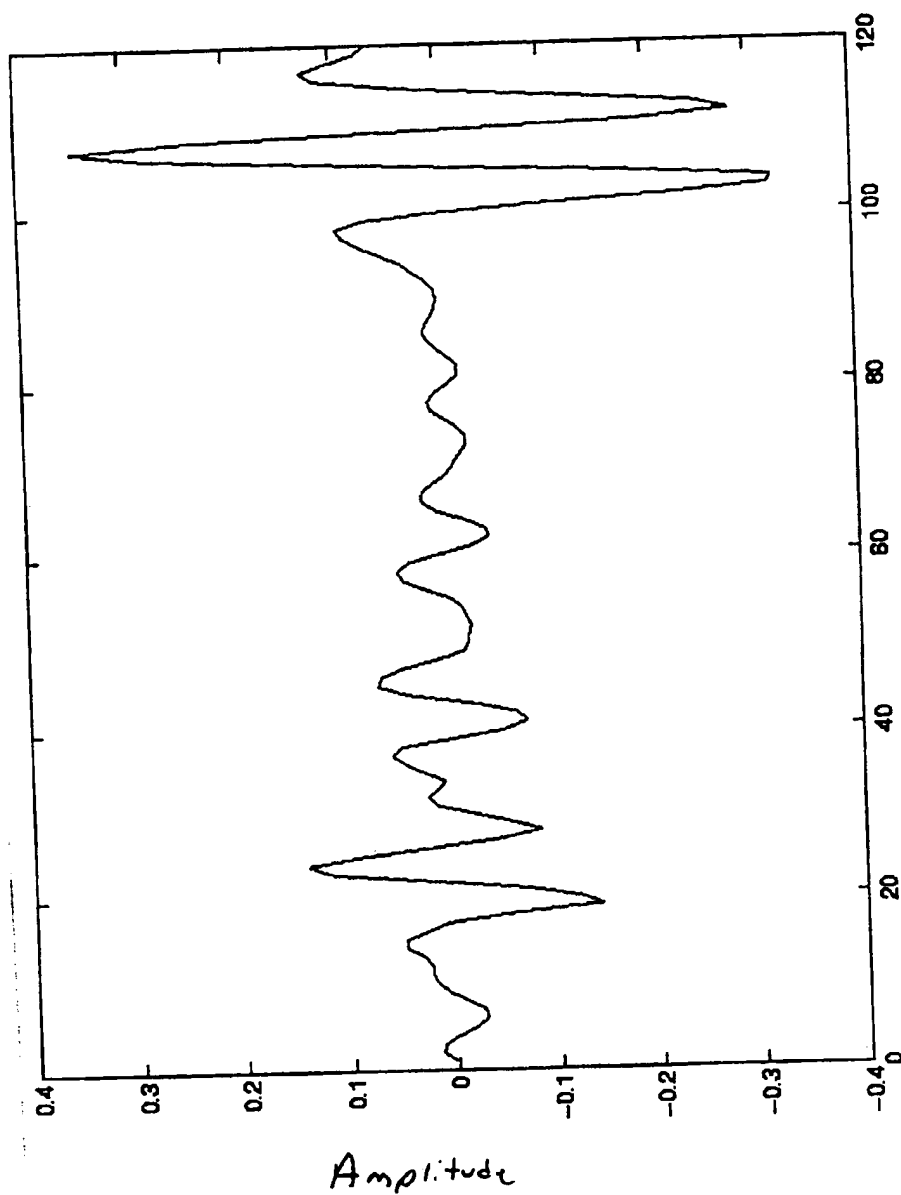
**FIG. 7**







**FIG. 9**



Time  
FIG. 10A

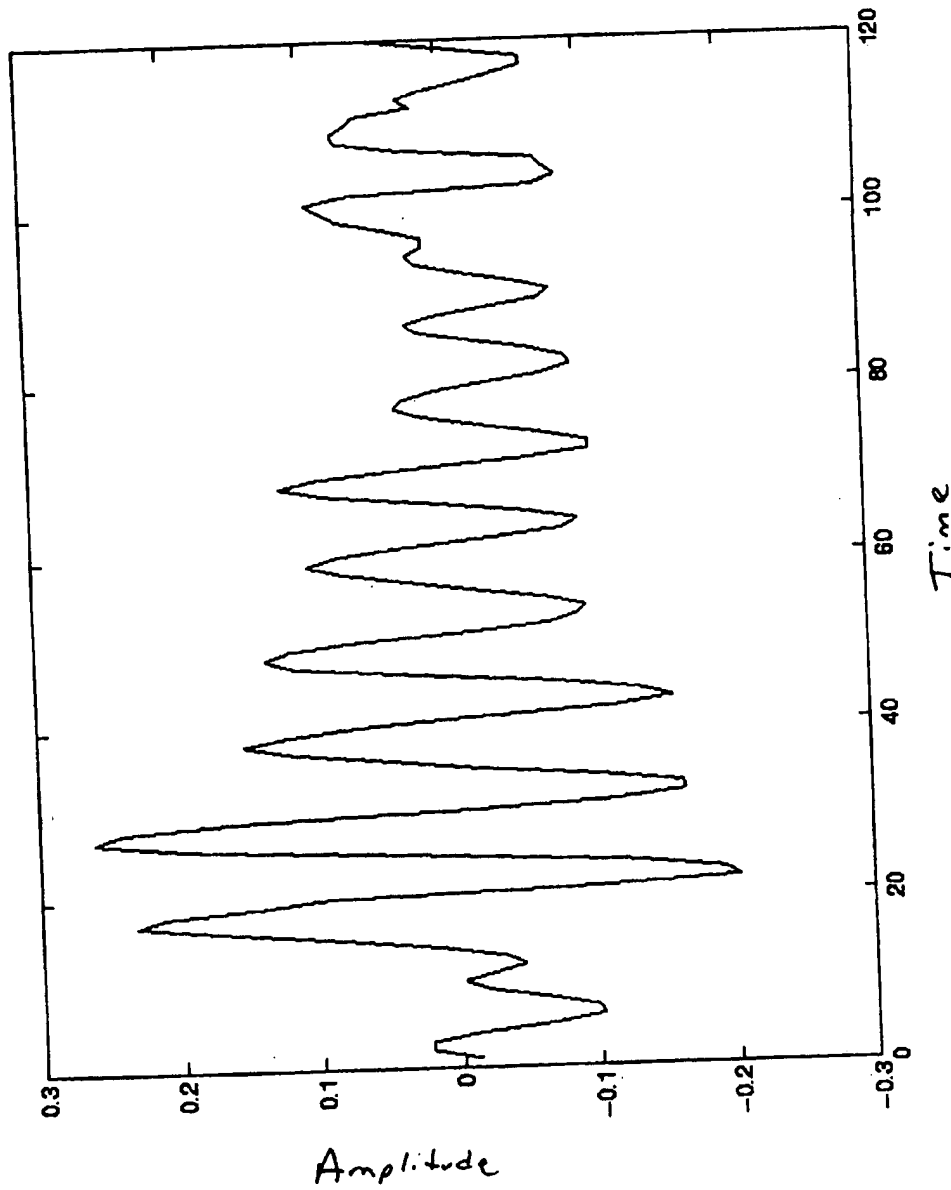


FIG 10B

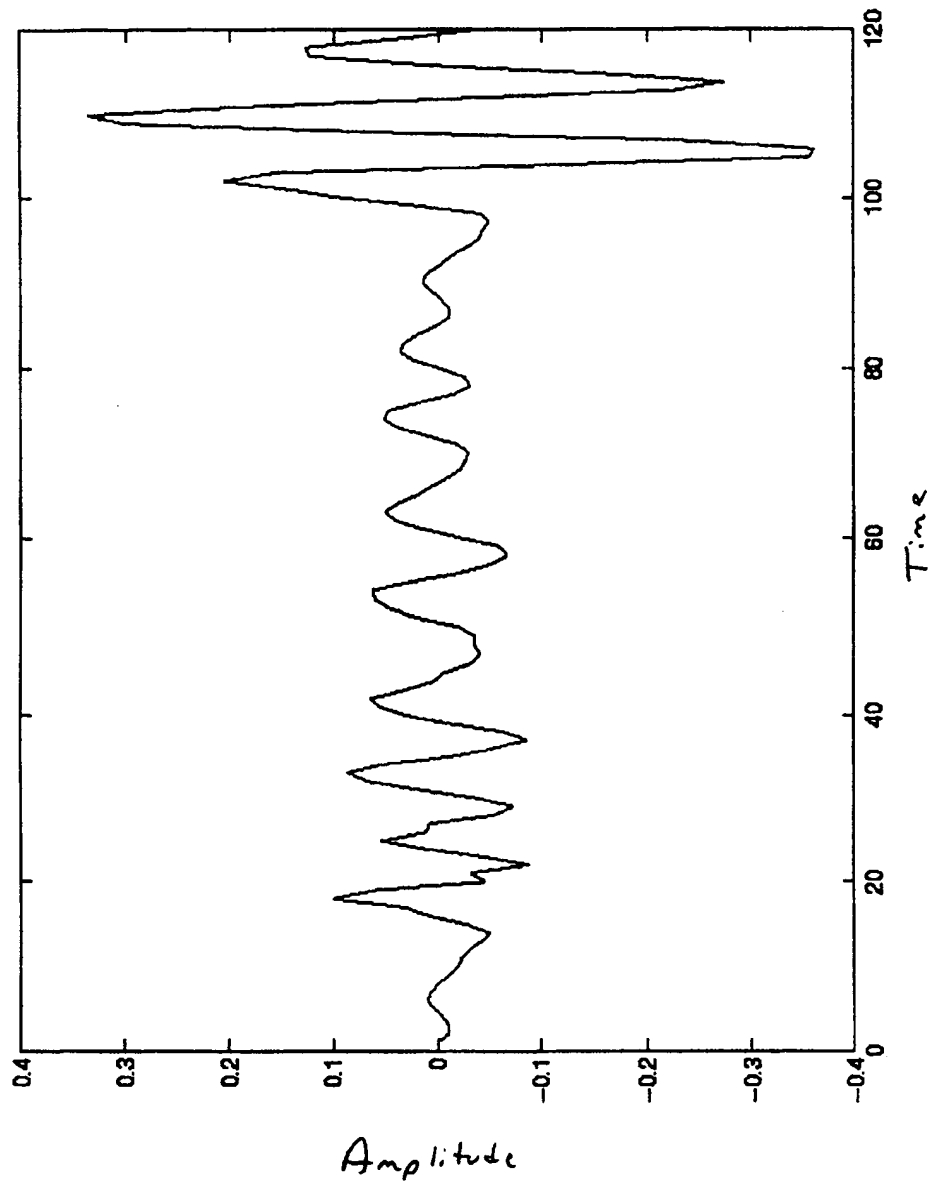


FIG. 10C

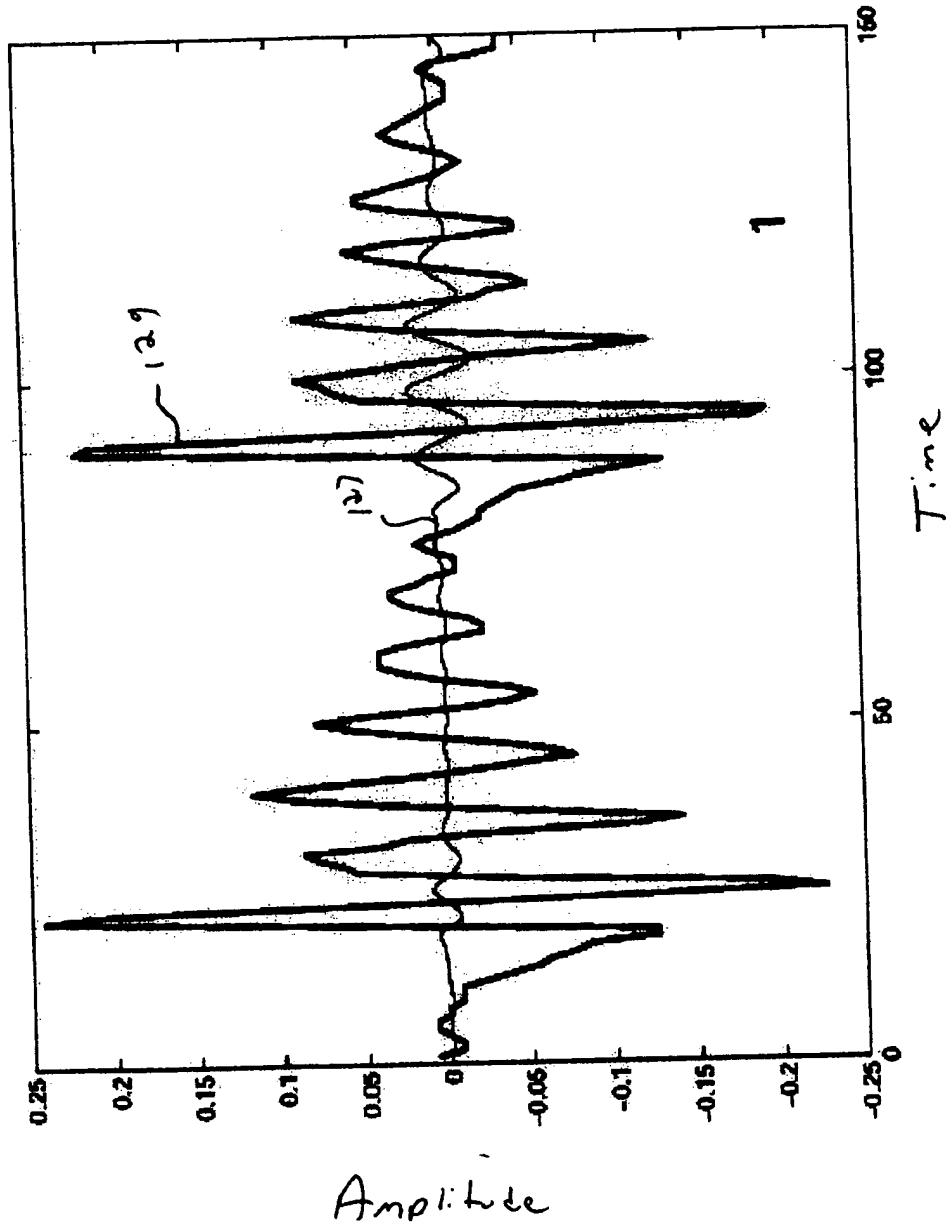
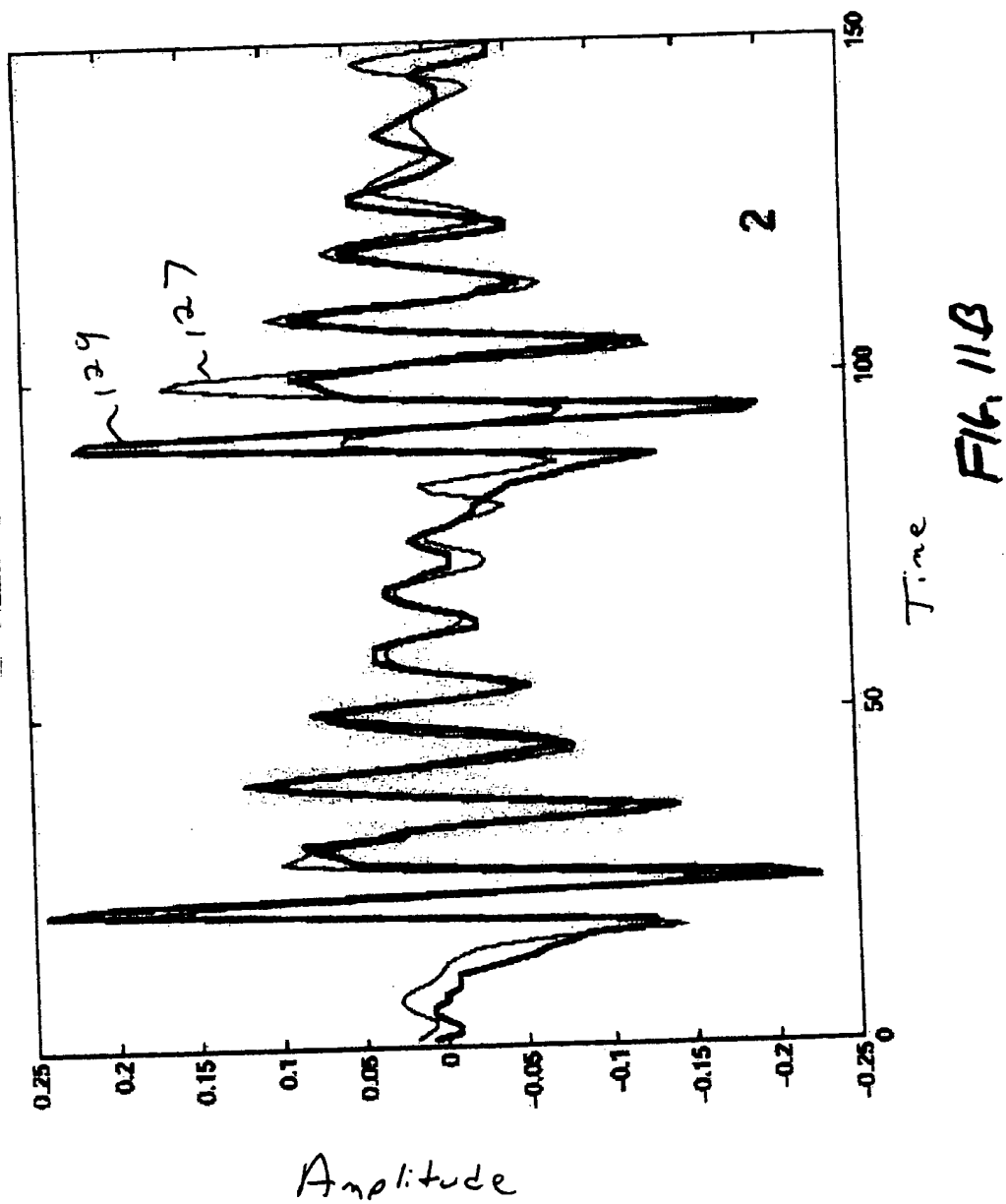
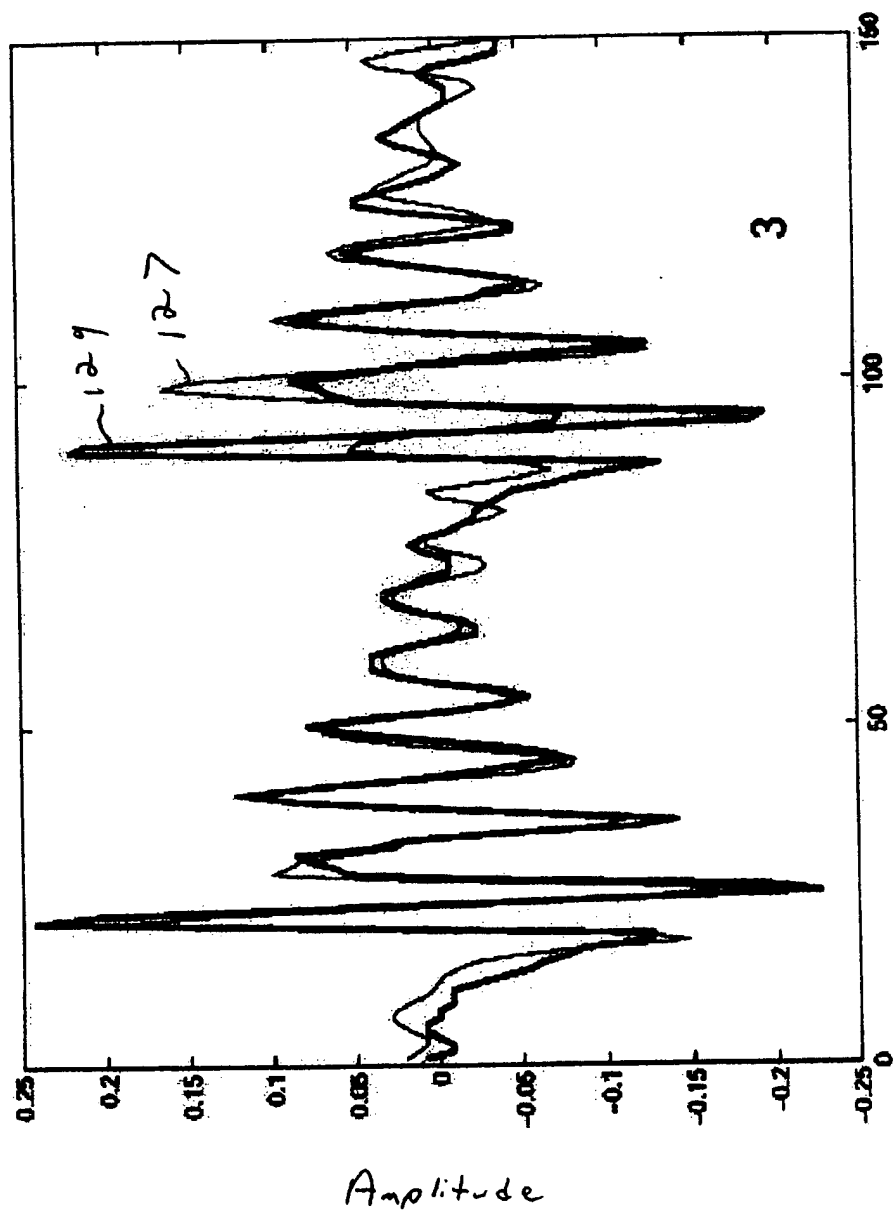
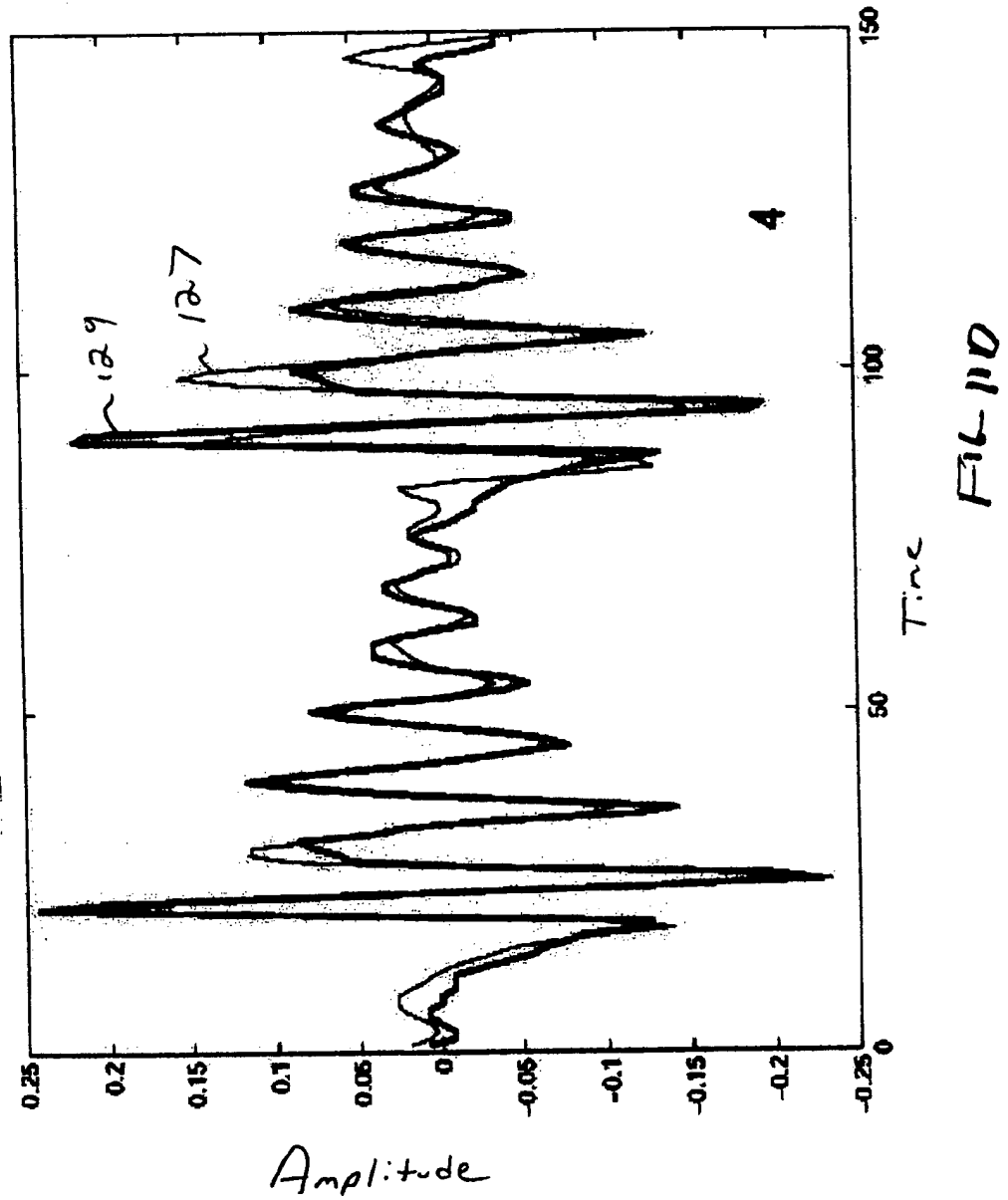


FIG. 11A









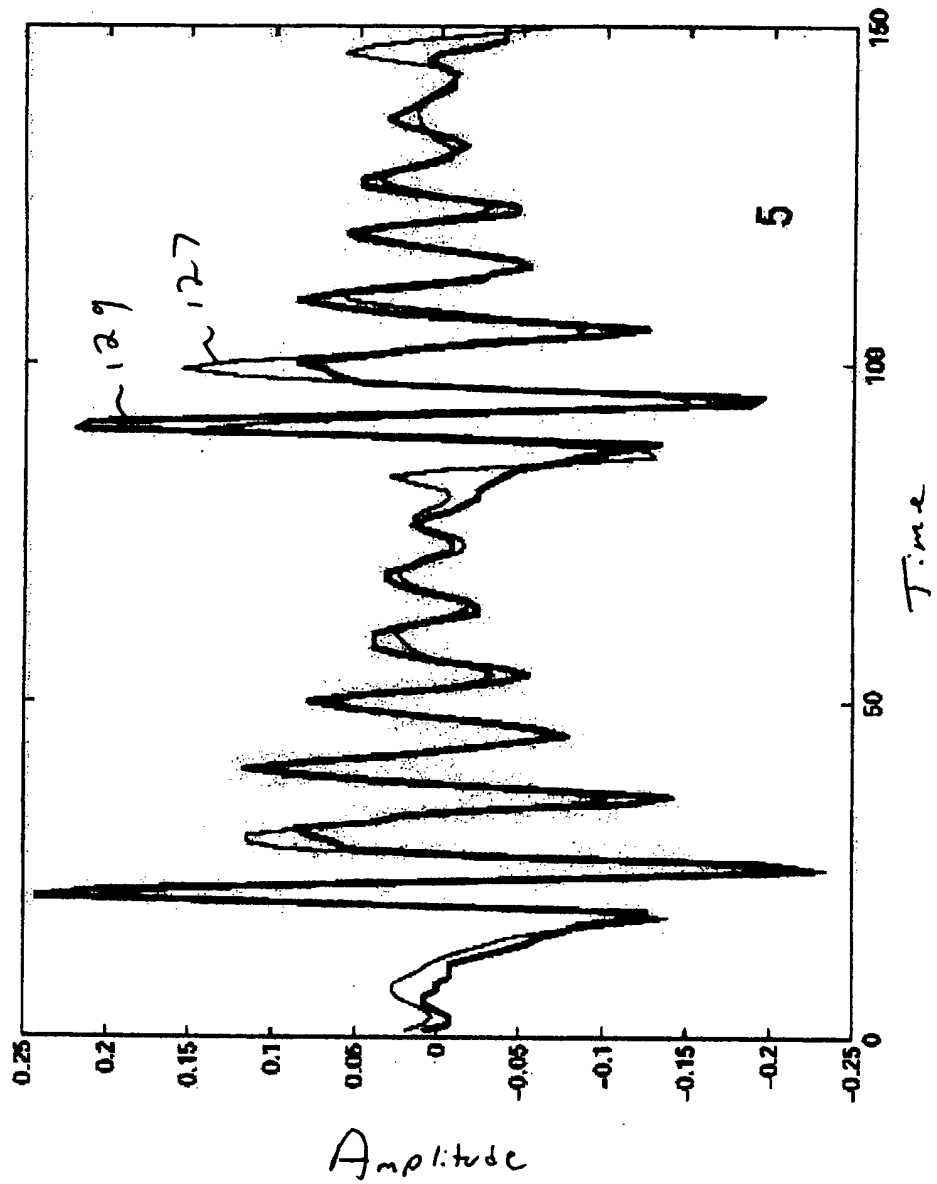


Fig. 11E

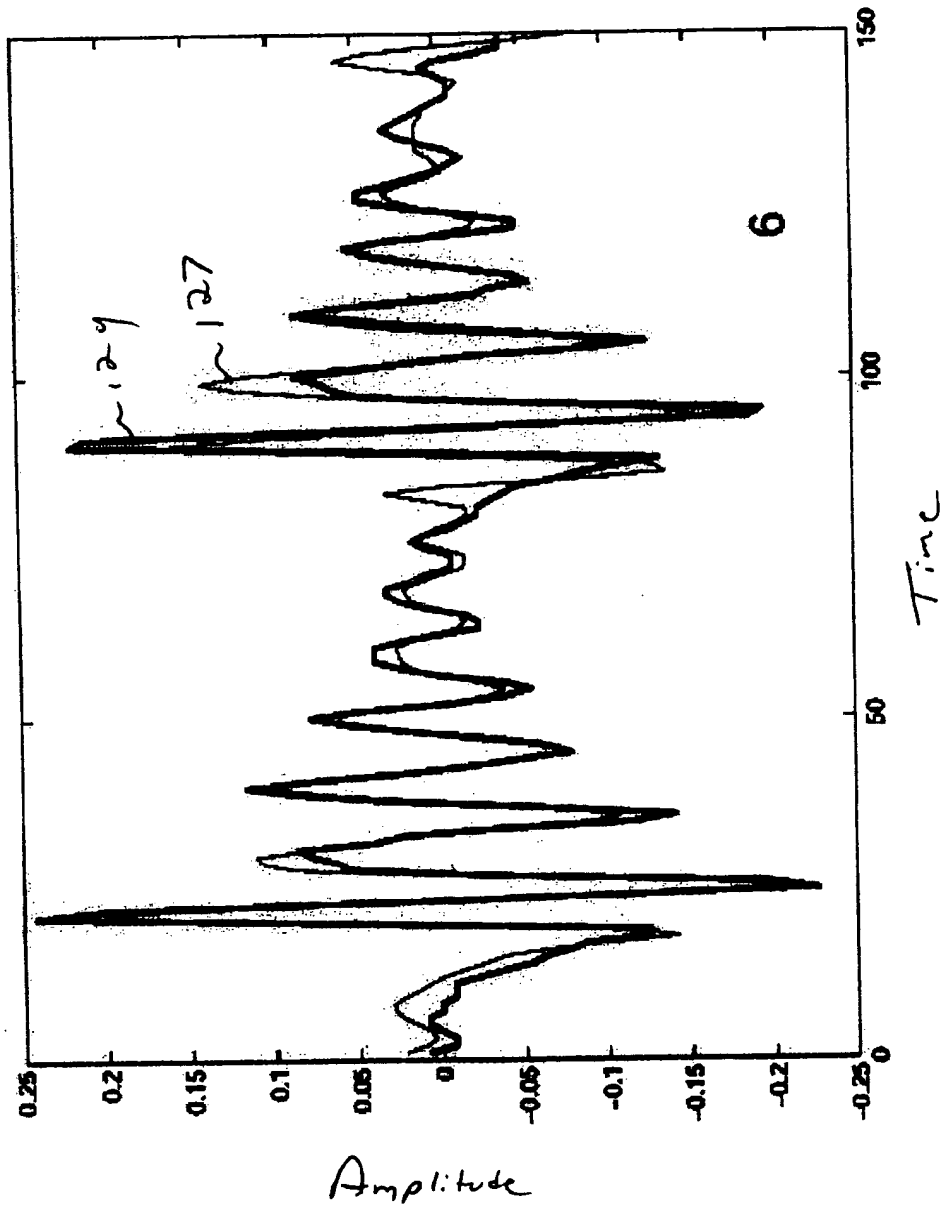
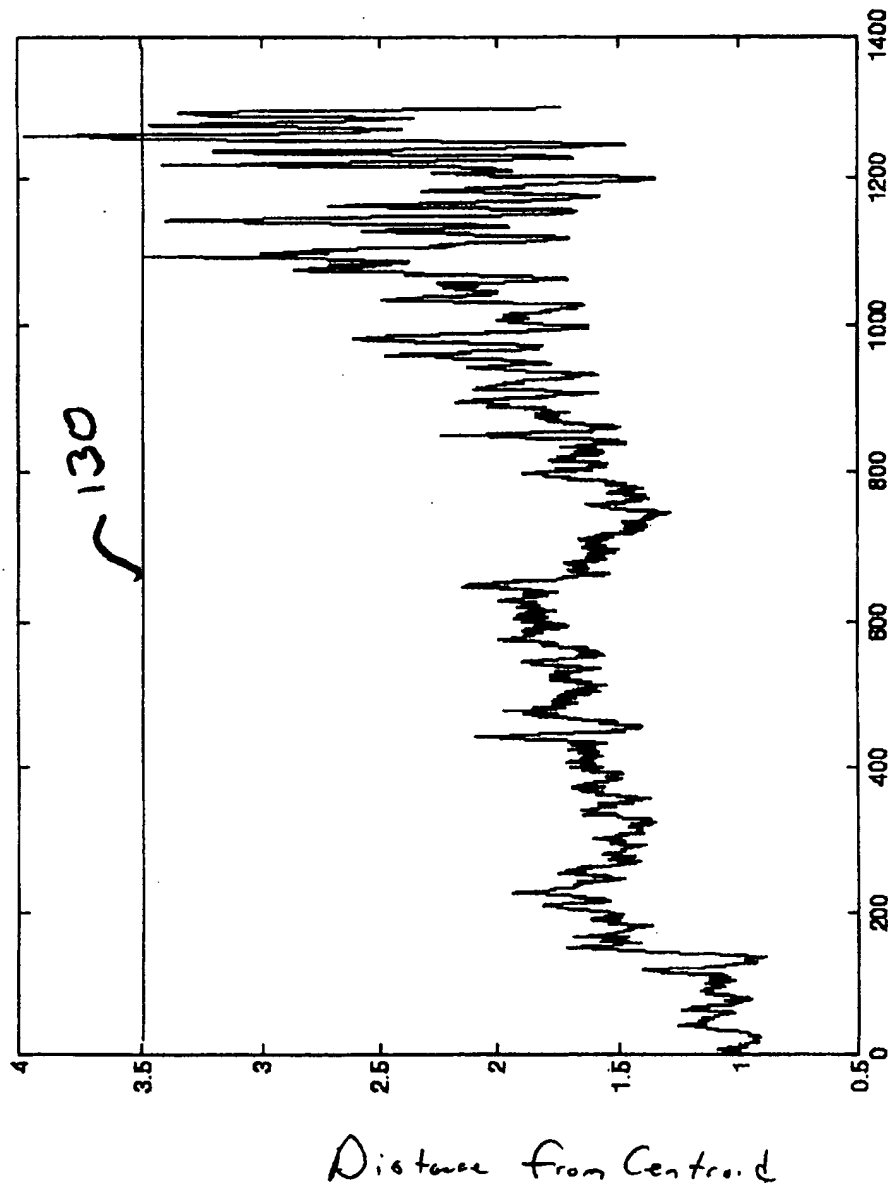


Fig. 11F



Pitch Periods  
Fig. 1a

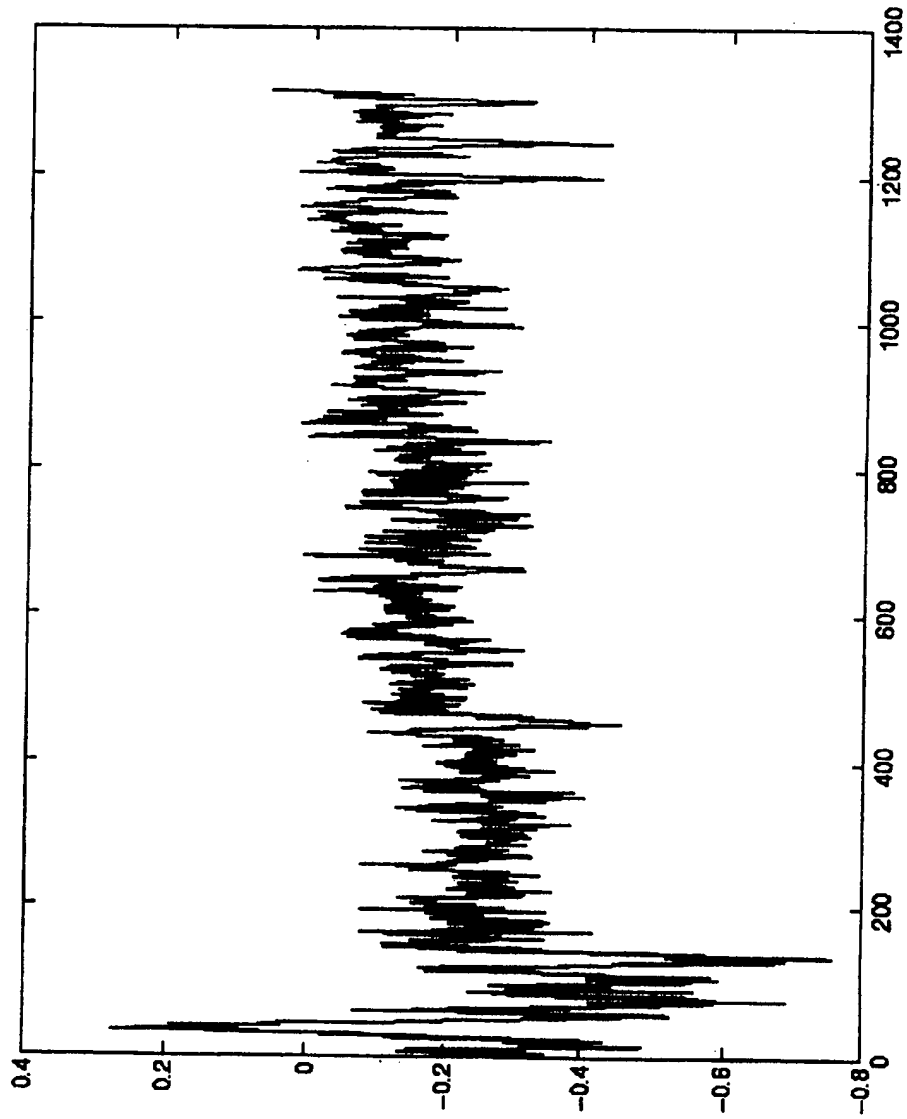


FIG. 13A

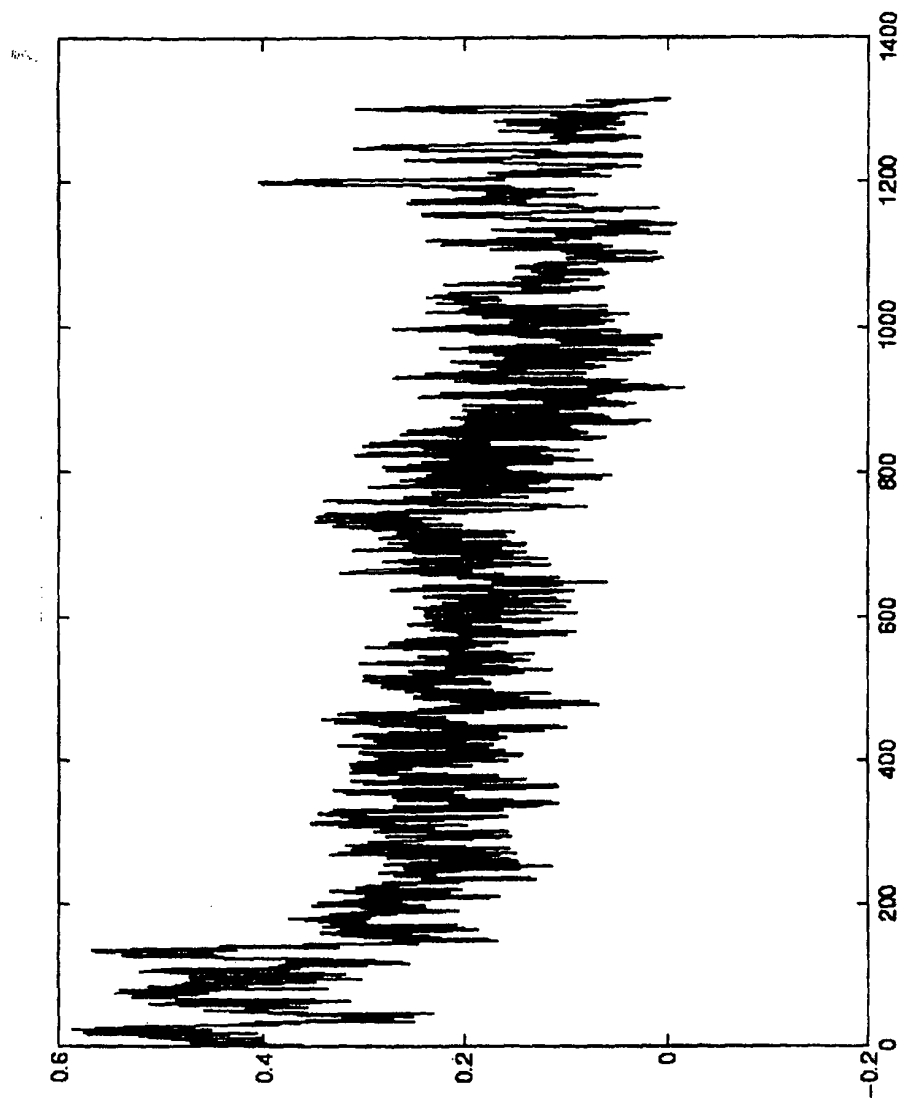


FIG 13B

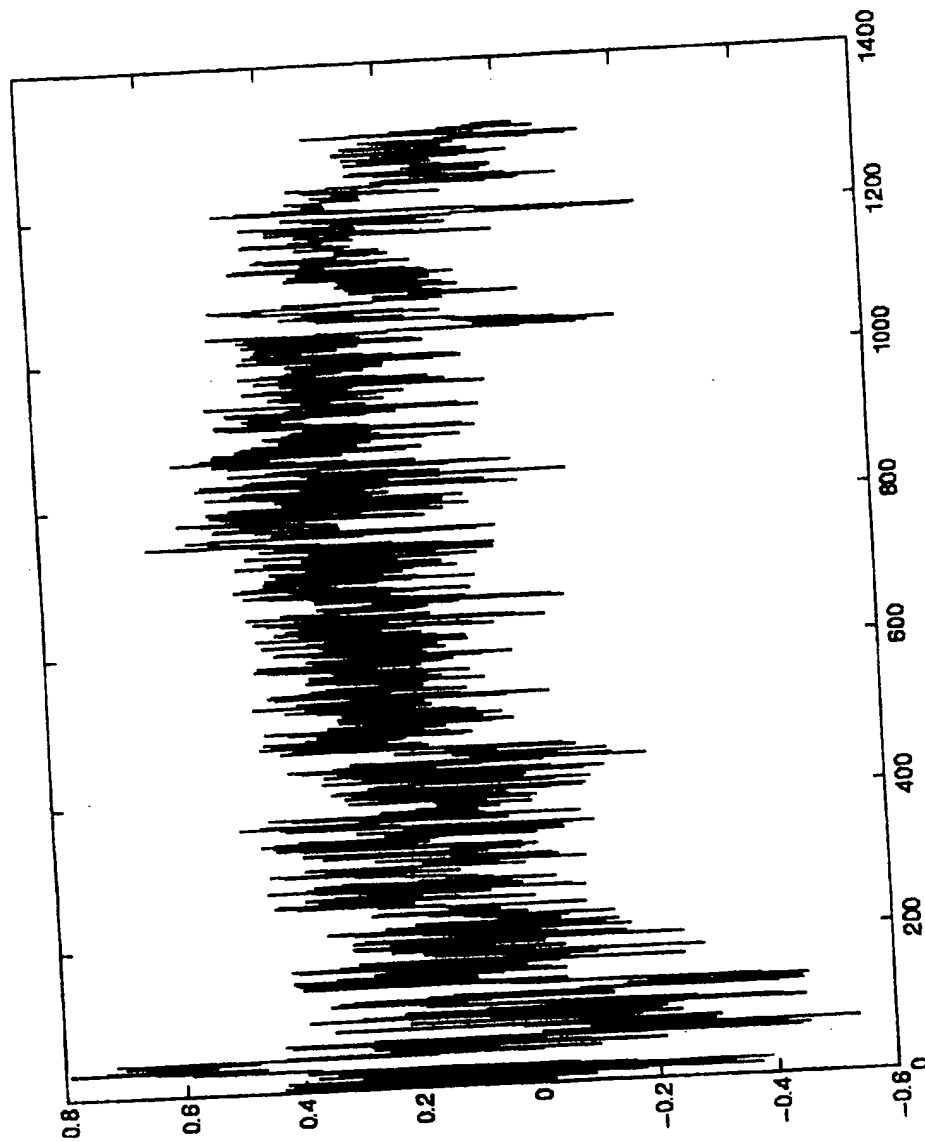


FIG. 13C

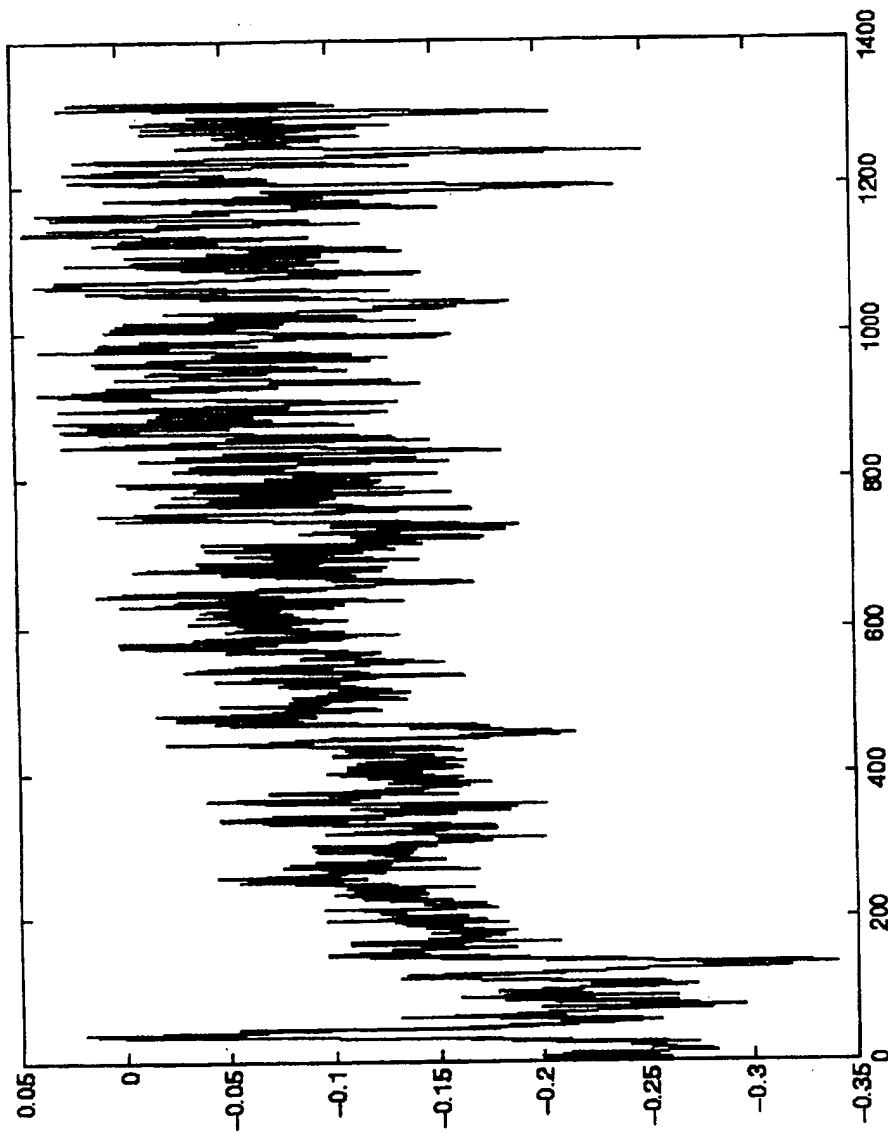
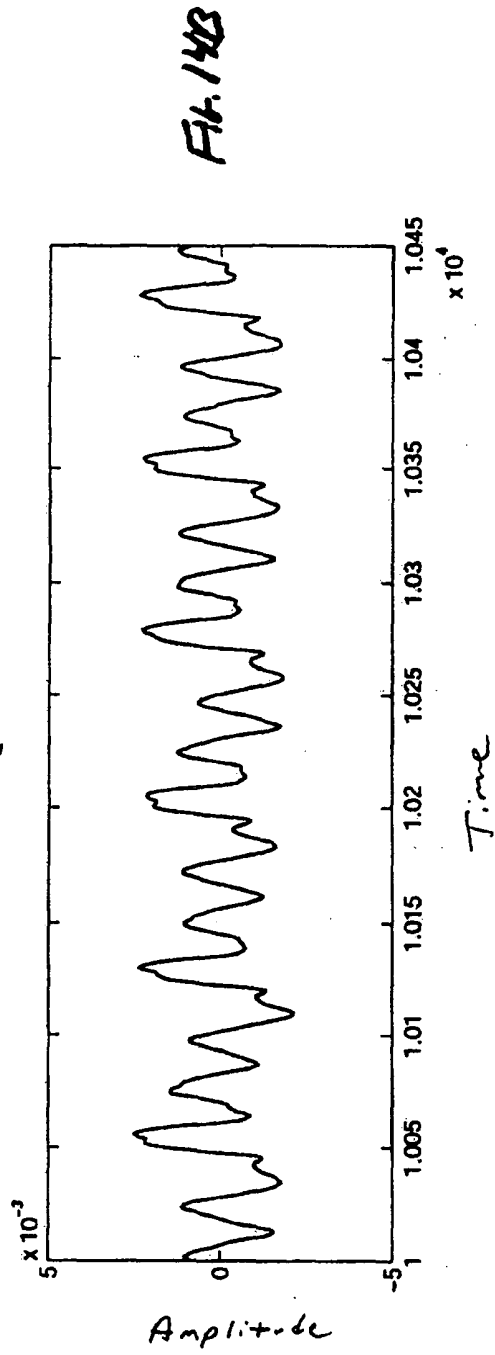
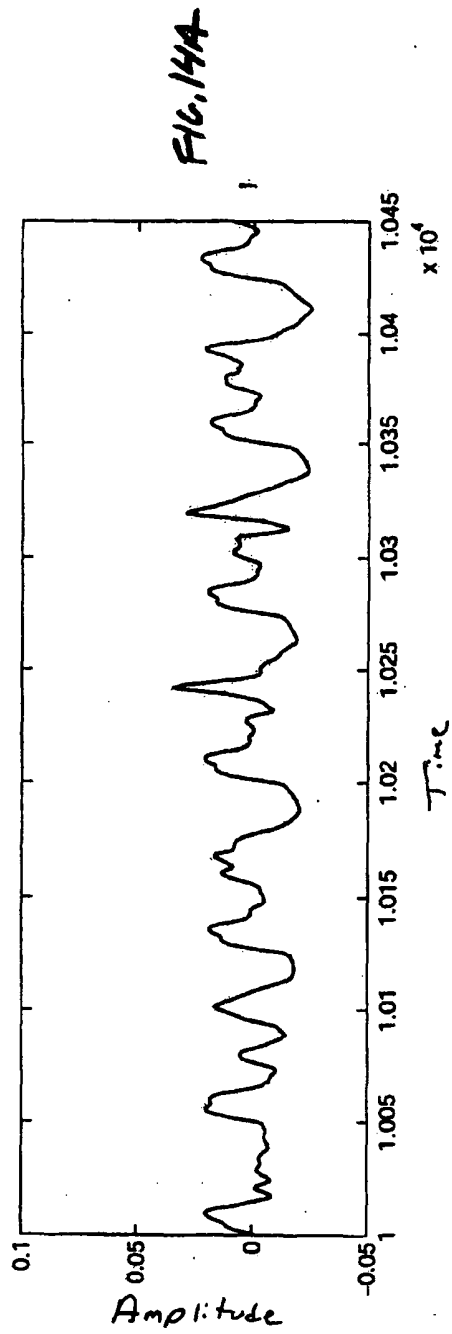


FIG. 130





SPEECH RECOGNITION VIA  
PRINCIPAL COMPONENT ANALYSIS

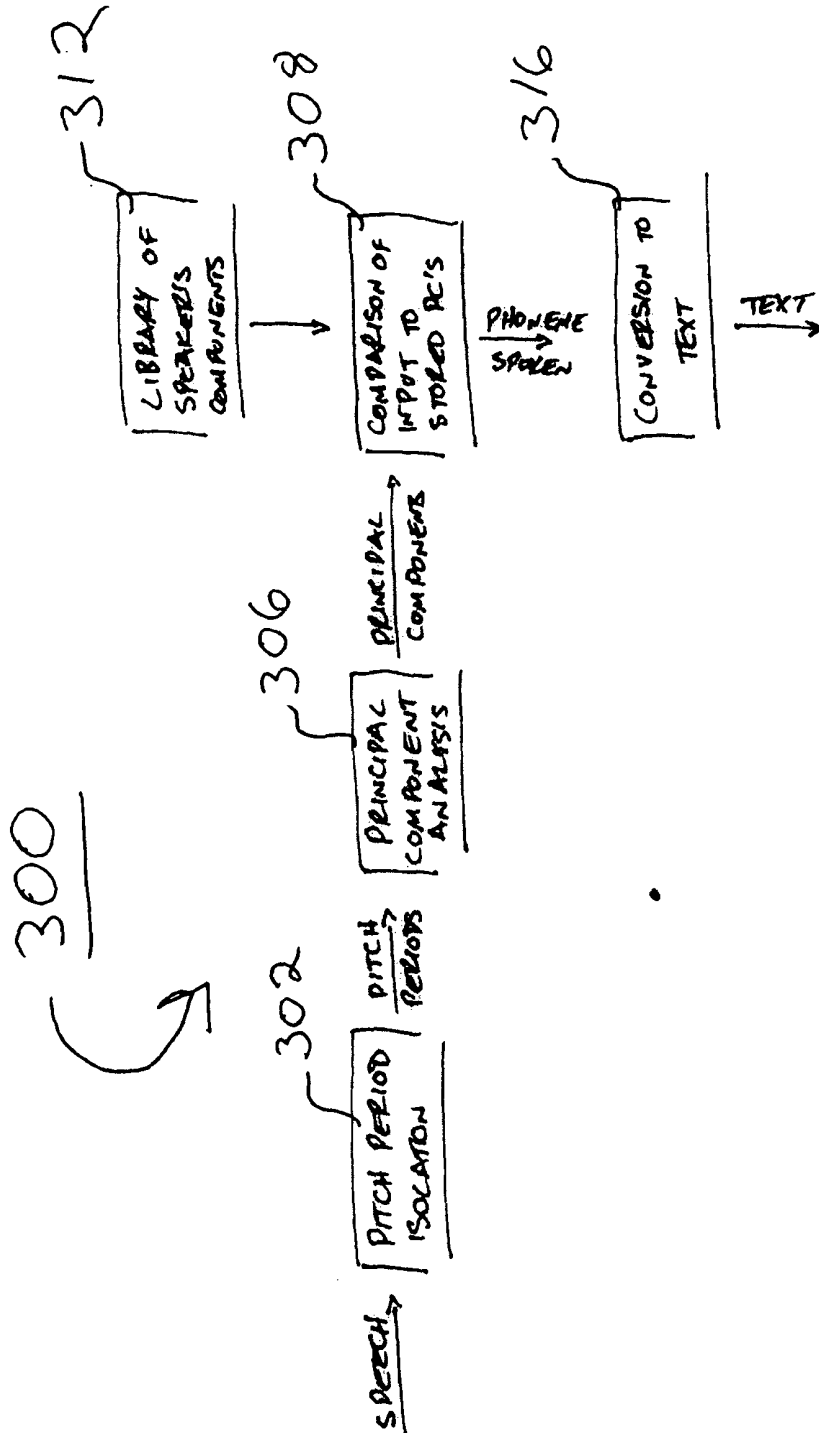


FIG. 15

SPEECH SYNTHESIS VIA  
PRINCIPAL COMPONENT ANALYSIS

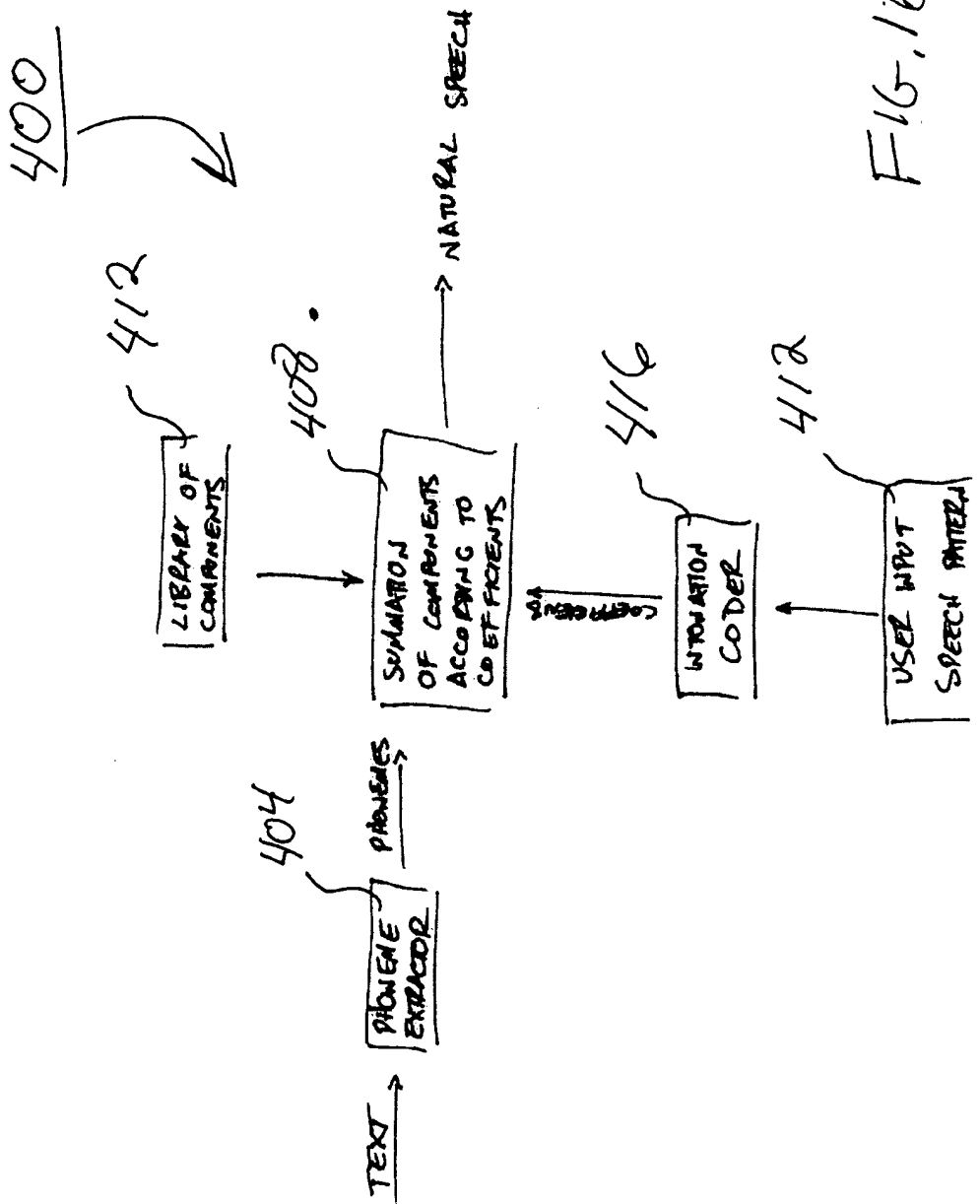


FIG. 16

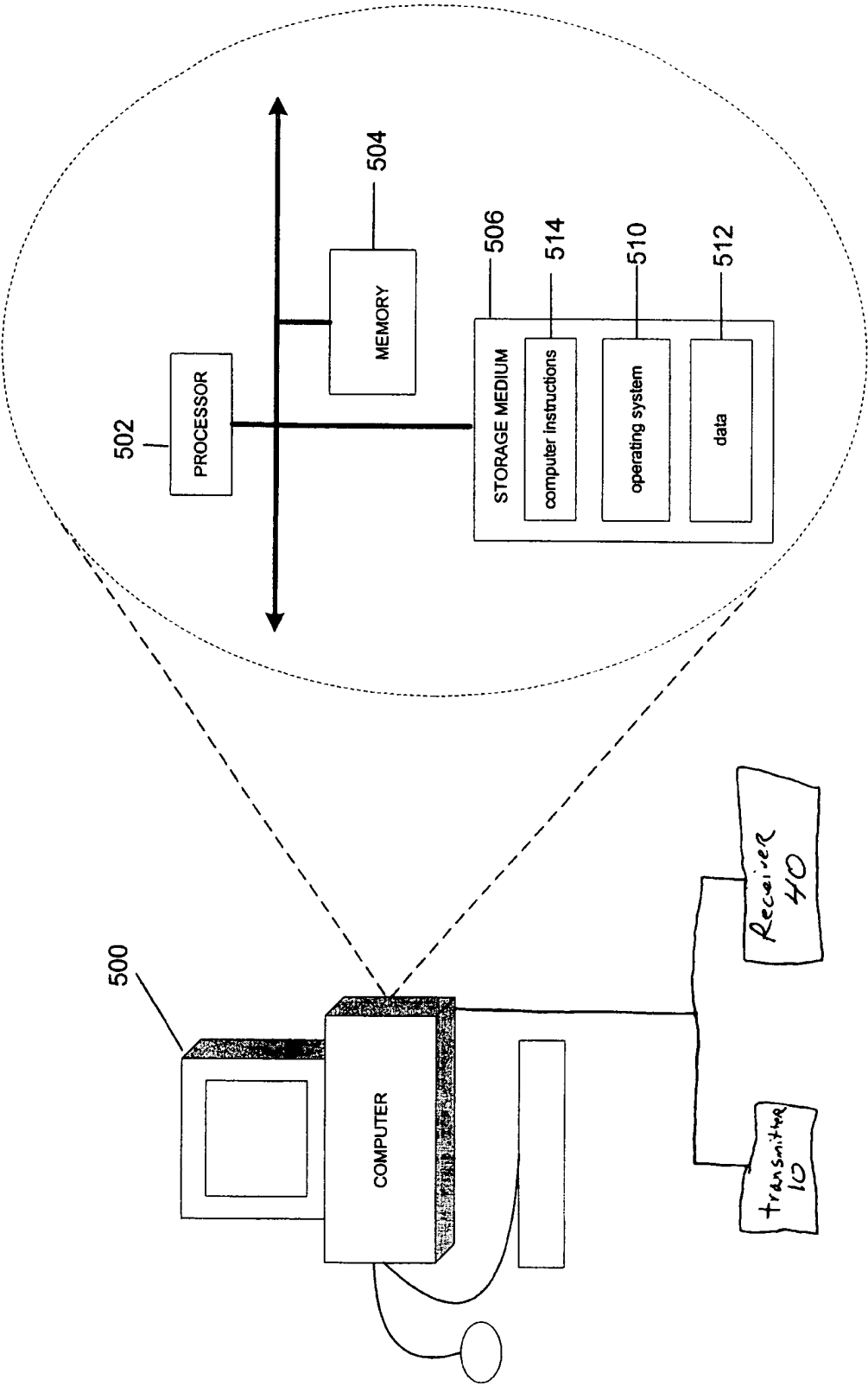


FIG. 17